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Anti-ELOVL1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18448

Specification

Anti-ELOVL1 Antibody (Internal) - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9BW60
Predicted	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32663**

Anti-ELOVL1 Antibody (Internal) - Additional Information

Gene ID 64834

Alias Symbol **ELOVL1**

Other Names
ELOVL1, ELOVL FA elongase 1, ELOVL fatty acid elongase 1, Ssc1, CGI-88

Target/Specificity
Recognizes endogenous levels of ELOVL1 protein.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-ELOVL1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ELOVL1 Antibody (Internal) - Protein Information

Name ELOVL1 (HGNC:14418)

Synonyms SSC1

Function
Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle (PubMed:29496980, PubMed:30487246). This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme that exhibits activity toward saturated and monounsaturated acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate in the production of both saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis (PubMed:<a

href="http://www.uniprot.org/citations/20937905" target="_blank">20937905). Indirectly inhibits RPE65 via production of VLCFAs.

Cellular Location
Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03201, ECO:0000269|PubMed:20937905, ECO:0000269|PubMed:30487246}; Multi-pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03201}

Tissue Location
Ubiquitous.

Anti-ELOVL1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ELOVL1 Antibody (Internal) - Images